SEQUENCE LISTING

<110>   Kevin J. Kayser
         John J. Kilbane, II

<120>   System and Method for Gene Expression in Thermus Strains

<130>   IGT-1444

<140>

<141>

<160>   5

<170>   WordPerfect 9.0

<210>   1
<211>   48
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   terminator located either 3' or 5' to proximal end
         of gene of interest

<400>   1
ggccggggcc ccgccccttt gggcggggcc tcccccaag gagggccg   48

<210>   2
<211>   51
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   5' UTR added to five prime of transcript

<400>   2
gcatgcttat ctcgagactg gcagttcaat agagatattg tatgcctgca g   51

<210>   3
<211>   7
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   RBS addition to expression vector

<400>   3   7
aaaggga

<210>   4
<211>   8
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   RBS addition to expression vector

<400>   4

gaaggagg

<210>   5
<211>   772
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Inducible promoter mdh

<400>   5

```
ggaggaggcc aagaagcttt tggaggggaa gcccgtctac atgtacccca cgtccattga      60

ggcggccaag gccatcgtgg ccatggtggg aggtgcggcg tgatcctggt gaaccgcgag     120

acccgcgtcc tggtccaggg catcaccggc cgggaggggc agttccacac caagcagatg     180

ctggactacg gcaccaagat cgtcgccggg gtcaccccgg gcaaaggggg aacggaggtc     240

ctaggggtcc ccgtctacga cacggtgaag gaggcggtgg cgcaccacga ggtggacgcc     300

tccatcatct tcgtgcccgc cccggccgcg gcggacgccg ccctggaagc ggcccacgcc     360

gggatcccc tcatcgtcct catcaccgag ggcatcccca ccctggacat ggtgcgggcg     420

gtggaggaga tcaaggccct gggaagccgc ctcatcgggg ggaactgccc gggatcatc     480

agcgccgagg agaccaagat cgggatcatg cccggccacg tcttcaagcg gggccgggtg     540

gggatcatca gccgctccgg caccctcacc tacgaggccg cagccgccct ttcccaggcg     600

gggctcggca ccaccaccac ggtggggatc gggggcgacc ccgtcatcgg caccaccttc     660

aaggacctcc tccccctctt caacgaggac ccggagacgg aggccgtggt cctcatcggg     720

gagatcggcg gctccgacga ggaggaggcg gcggcttggg tgaaggacca ca            772
```